

Rubicon Trail Ground Operations - Phase 1 (FINAL)

FOR OFFICE USE ONLY:

Version # _____

APP # 700586

1. Project Description

A. Statement of GO Activity

The proposed Ground Operations (GO) Phase 1 Project will continue the El Dorado County Department of Transportation (DOT) Maintenance Operations on the Rubicon Trail (Trail) from the 2009 season which includes the following GO activities:

1. Create the 2010 Maintenance Activity Plan (MAP) with corresponding GO work related to the Phase 1 Project.
2. Complete a comprehensive Soil Conservation Plan (SCP) with Engineering Details and Report.
3. Contract with an aerial consultant to complete a topographic/orthophoto aerial base map for the entire Rubicon Trail that is within El Dorado County.
4. Work with the various Trail volunteer groups and DOT Maintenance staff to review and confer on the schedule and work assignments within the 2010 MAP and SCP.
5. Implement the 2010 MAP and SCP, which will include but not be limited to, rock armoring, erosion control, drainage, revegetation, and trail signage Best Management Practices (BMP's) along the Rubicon Trail main segment (1.0) with variant segments from Wentworth Springs Campground (approx. Station 0+00) to Little Sluice Box (approx. Station 215+90) and Loon Lake Inter-Tie segment (2.0) from Parking Area (approx. Station 9+27) to south of the Inter-Tie Connection (approx. Station 94+50).
6. Continue the sanitation efforts on the Trail, including cleaning restrooms/portable toilets, purchase of cardboard commodes and wag bags.
7. Continue trash disposal services of existing dumpsters at Loon Lake and at Tahoma.
8. Purchase and install raised pavement reflectors for nighttime navigation and flexible marker posts to delineate the trail within the 2010 recognized Trail location.
9. Complete "Record Drawing" and post maintenance operations activity and monitoring reports.

The proposed Phase 1 Project is one of the five projects, or phases, being submitted for OHMVR funding this 2009-10 funding cycle. Each project phase is part of the long-term resource management maintenance and operations plan between DOT, Trail user groups, and the USFS in accordance with the Cleanup and Abatement Order (CAO) (R5-2009-0030) issued by the State Water Resources Control Board (SWRCB) Central Valley Region. Additional phases of work will be submitted for OHMVR funding in subsequent funding cycles either to comply with the CAO or for on-going maintenance activities on the Trail.

B. Relation of Proposed Project to OHV Recreation

The proposed Phase 1 Project is located along the Trail main segment (1.0) with variant segments from Wentworth Springs Campground (approx. Station 0+00) to Little Sluice Box (approx. Station 215+90) and Loon Lake Inter-Tie segment (2.0) from Parking Area (approx. Station 9+27) to south of the Inter-Tie Connection (approx. Station 94+50). As previously described in the DOT 2008-09 GO grant application, the Rubicon Trail is a world-renowned OHV resource that is considered the birthplace of organized 4x4 recreation in California. The Trail is now widely recognized as the premiere Off-Highway Vehicle (OHV) route in the United States and has been called the "Crown Jewel of All Off-Highway Trails" providing continuous OHV recreation for over 50 years. At one time, the Trail was revered as the most difficult trail in the United States being rated a 10 on a 0-10 scale due to its narrow passageways, rocky climbs, and occasional mud holes.

The Trail attracts both street-legal and "green sticker" off-road motor vehicle enthusiasts. Users travel the Trail in a wide range of all-terrain vehicles such as off-road motorcycles, street-legal and off-road Sport Utility Vehicles (SUV), 4-wheel drive vehicles, and exclusively off-road vehicles. The Trail also provides access to the adjacent Desolation Wilderness for non-vehicular users such as hikers, backpackers, and sportsmen.

This proposed GO Phase 1 Project requests funding to continue El Dorado County's ongoing operations and maintenance of the Trail that will include treatments to mitigate erosion and drainage issues such as, but not limited to, installation of water breaks and rock fill BMP's; sediment and rock filter water quality BMP's; signage BMP's; and, revegetation BMP's while also sustaining OHV recreation opportunities along the Trail in accordance with the CAO.

C. Describe the size of the specific Project Area(s) in acres and/or miles

This proposed GO Phase 1 Project will continue the efforts from the GO FY 2008-09 Project limits at Ellis Creek and the Inter-Tie.

The GO Phase 1 Project Area is along the Rubicon Trail Main Route 1.0 and variants approved for OHV use from Wentworth Springs Campground to Little Sluice Box (Approx. Station 0+00 to 215+90), and along Main Route 2.0 from the parking area at Loon Lake to just south of the Inter-tie intersection (Approx. Station 9+27 to 94+50).

The length of the proposed Phase 1 Project Area along Main Route 1.0 is approx. 21,590 linear feet or 4.09 miles with an additional 2,000 linear feet or approx. 0.38 miles along the variants approved for OHV use. Also, the length of proposed Phase 1 Project Area along Main Route 2.0 is approx. 8,104 linear feet or 1.54 miles. The total length of the proposed Phase 1 Project Area is approx 31,694 linear feet or 6.0 miles. The area of work varies along the length of the trail, but will stay within the current width of the existing trail. A map of the entire Rubicon Trail within El Dorado County and Detail Maps of the proposed Phase 1 Project sites are attached.

D. Location and description of OHV opportunities

The Rubicon Trail is located in the California High Sierra, due west of Lake Tahoe, approximately 80 miles east of Sacramento, and 35 miles northeast of Placerville. This world-renowned 4-wheel drive route extends from Georgetown (at State Route 193 in El Dorado County) to Lake Tahoe (near Tahoma in Placer County) for a total distance of approximately 22 miles. The unmaintained portion of the Trail in El Dorado County from Wentworth Springs Campground (western limit) and Loon Lake (southern limit) to the Placer County Line (northeastern limit) is about 12 miles long and winds through the trees and rugged granite common to the area. Parts of the Trail pass through the El Dorado National Forest and portions of private lands.

Trail elevation ranges from approximately 5,400 to over 7,000 feet. The section of road from Georgetown to Wentworth Springs (also known as the McKinney-Rubicon Springs Road) is a maintained road, while the OHV trail begins near Wentworth Springs Campground. An additional trailhead exists at Loon Lake that ties in just south of the Ellis Creek crossing. Most visitors begin the run from either Wentworth Springs Campground or Loon Lake, which are accessible from U.S. Highway 50. The Wentworth Springs trailhead starts with an uphill ascent that levels out to a challenging drive to Ellis Creek. From Ellis Creek, it winds through trees and rugged granite on its way to Walker Hill. From Walker Hill, the Trail winds over granite to north of Spider Lake and descends southward to Buck Island Lake. It then climbs east at the edge of Desolation Wilderness, dropping due north into Rubicon Springs and continuing east into Placer County ending at Tahoma.

Existing OHV opportunities in and around the proposed Phase 1 Project Area attract both street legal and "green sticker" off-road motor vehicles. As a result, users travel the trail in a wide range of all-terrain vehicles, including dirt bikes, ATVs and a variety of 4-wheel drive vehicles, from street-legal SUVs to vehicles built for the sole purpose of driving the Trail. Because of its difficulty, the trail is recommended for short wheelbase vehicles with all skid plates in place. This Phase 1 Project passes through several popular recreational spots such as Ellis Creek, Spider Lake, and the Little Sluice area.

2. Rerouting Requirements

Rerouting

(a) Does your project involve rerouting of any roads and trails?

☐ Yes ☒ No

If response to question (a) is 'Yes', a Project timeline, conceptual drawings and site plans are required (See 'Attachments' tab at the top of the screen)

If response to question (a) is 'No', skip details related to rerouting

Additional Documentation

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1. **Project Timeline (Required if project includes necessary rerouting)**
2. **Conceptual Drawings and Site Plans (Required if project includes necessary rerouting)**

3 **Project-Specific Maps**

Attachments:

[Rubicon Trail Overall Project Map](#)
[Rubicon Trail GO Phase 1 Detail Maps](#)

4. **Optional Project-Specific Application Documents**

Attachments:

[Rubicon Trail GO Phase 1 Site Photos](#)

Project Cost Estimate

FOR OFFICE USE ONLY:				Version # _____	APP # _____
APPLICANT NAME :	El Dorado County Transportation Department				
PROJECT TITLE :	Rubicon Trail Ground Operations - Phase 1 (FINAL)			PROJECT NUMBER (Division use only) :	G09-03-06-G02
PROJECT TYPE :	<input type="checkbox"/> Acquisition <input type="checkbox"/> Development <input type="checkbox"/> Education & Safety <input checked="" type="checkbox"/> Ground Operations <input type="checkbox"/> Law Enforcement <input type="checkbox"/> Planning <input type="checkbox"/> Restoration				
PROJECT DESCRIPTION :	<p>The proposed Ground Operations (GO) Phase 1 Project will continue the El Dorado County Department of Transportation (DOT) Maintenance Operations on the Rubicon Trail (Trail) from the 2009 season which includes the following GO activities:</p> <ol style="list-style-type: none"> 1. Create the 2010 Maintenance Activity Plan (MAP) with corresponding GO work related to the Phase 1 Project. 2. Complete a comprehensive Soil Conservation Plan (SCP) with Engineering Details and Report. 3. Contract with an aerial consultant to complete a topographic/orthophoto aerial base map for the entire Rubicon Trail that is within El Dorado County. 4. Work with the various Trail volunteer groups and DOT Maintenance staff to review and confer on the schedule and work assignments within the 2010 MAP and SCP. 5. Implement the 2010 MAP and SCP, which will include but not be limited to, rock armoring, erosion control, drainage, revegetation, and trail signage Best Management Practices (BMP's) along the Rubicon Trail main segment (1.0) with variant segments from Wentworth Springs Campground (approx. Station 0+00) to Little Sluice Box (approx. Station 215+90) and Loon Lake Inter-Tie segment (2.0) from Parking Area (approx. Station 9+27) to south of the Inter-Tie Connection (approx. Station 94+50). 6. Continue the sanitation efforts on the Trail, including cleaning restrooms/portable toilets, purchase of cardboard commodes and wag bags. 7. Continue trash disposal services of existing dumpsters at Loon Lake and at Tahoma. 8. Purchase and install raised pavement reflectors for nighttime navigation and flexible marker posts to delineate the trail within the 2010 recognized Trail location. 9. Complete "Record Drawing" and post maintenance operations activity and monitoring reports. <p>The proposed Phase 1 Project is one of the five projects, or phases, being submitted for OHMVR funding this 2009-10 funding cycle. Each project phase is part of the long-term resource management maintenance and operations plan between DOT, Trail user groups, and the USFS in accordance with the Cleanup and Abatement Order (CAO) (R5-2009-0030) issued by the State Water Resources Control Board (SWRCB) Central Valley Region. Additional phases of work will be submitted for OHMVR funding in subsequent funding cycles either to comply with the CAO or for on-going maintenance activities on the Trail.</p>				

Project Cost Estimate for Grants and Cooperative Agreements Program - 2009/2010
Agency: El Dorado County Transportation Department
Application: Rubicon Trail Ground Operations - Phase 1 (FINAL)

3/1/2010

	Line Item	Qty	Rate	UOM	Grant Request	Match	Total
DIRECT EXPENSES							
Program Expenses							
1	Staff						
	Other-DOT HW Maint. 1 - Full Crews	2.500	78000.000	MOS	195,000.00	0.00	195,000.00
	Other-DOT Maint Management	2.500	3600.000	MOS	9,000.00	0.00	9,000.00
	Other-DOT HW Maint. Crew - Extra Help	2.500	6880.000	MOS	17,200.00	0.00	17,200.00
	Other-DOT Engineering CM	2.500	8620.000	MOS	21,550.00	0.00	21,550.00
	Other-DOT Engineering Design Services	8.000	4700.000	MOS	37,600.00	0.00	37,600.00
	Other-County/DOT Admin	12.000	1342.000	MOS	0.00	16,104.00	16,104.00
	Other-DOT Survey Services	3.000	13000.000	MOS	39,000.00	0.00	39,000.00
	Other-Trail Volunteers	2.500	15000.000	MOS	0.00	37,500.00	37,500.00
	Other-DOT Project Management	12.000	2850.000	MOS	34,200.00	0.00	34,200.00
	Other-Per Diem - Meals \$40/day/person	2.500	10000.000	MOS	0.00	25,000.00	25,000.00
	Total for Staff				353,550.00	78,604.00	432,154.00
2	Contracts						
	Other-vault toilet pumping	1.000	2200.000	YR	0.00	2,200.00	2,200.00
	Other-restroom cleaning	1.000	1800.000	YR	0.00	1,800.00	1,800.00
	Other-RCD - BMP Assessment	1.000	15000.000	YR	0.00	15,000.00	15,000.00
	Other-Aerial Consultant	1.000	15000.000	EA	15,000.00	0.00	15,000.00
	Total for Contracts				15,000.00	19,000.00	34,000.00
3	Materials / Supplies						
	Other-Flexible Delineator Post	200.000	1.000	EA	0.00	200.00	200.00

Project Cost Estimate for Grants and Cooperative Agreements Program - 2009/2010
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3/1/2010

	Line Item	Qty	Rate	UOM	Grant Request	Match	Total
	Other-3/4 inch Crushed Rock	200.000	18.000	YD	0.00	3,600.00	3,600.00
	Other-6" -12" Rock Rip Rap	700.000	25.000	YD	0.00	17,500.00	17,500.00
	Other-Filter Fence - Temp BMP	40.000	50.000	EA	0.00	2,000.00	2,000.00
	Other-Weighted Rice Fiber Rolls	40.000	60.000	EA	0.00	2,400.00	2,400.00
	Other-Tents	15.000	150.000	EA	0.00	2,250.00	2,250.00
	Other-Cots	20.000	100.000	EA	0.00	2,000.00	2,000.00
	Other-Spill Kits - S'Oil Cleanse	1150.000	8.000	EA	9,200.00	0.00	9,200.00
	Total for Materials / Supplies				9,200.00	29,950.00	39,150.00
4	Equipment Use Expenses						
	Other-off-road Rubber Tired Backhoe	15.000	170.000	DAY	0.00	2,550.00	2,550.00
	Other-off-road 1-1/2 to 2 YRD Loader	17.000	380.000	DAY	0.00	6,460.00	6,460.00
	Other-off-road Dump - 10 Wheeler	17.000	340.000	DAY	0.00	5,780.00	5,780.00
	Other-Refuse Dumpster	3.000	3000.000	EA	0.00	9,000.00	9,000.00
	Other-Front Loader	17.000	350.000	DAY	0.00	5,950.00	5,950.00
	Other-4 x 4 pickup	100.000	60.000	DAY	0.00	6,000.00	6,000.00
	Other-Dump Truck - 1 Ton	35.000	125.000	DAY	0.00	4,375.00	4,375.00
	Other-3-Axle Tractor	15.000	300.000	DAY	0.00	4,500.00	4,500.00
	Other-3/4 Ton Pickup	25.000	60.000	DAY	0.00	1,500.00	1,500.00
	Equipment Rental Notes : Rental equipment includes, but is not limited to: Additional dump trucks, backhoes, excavators, loaders etc.. which might be needed based on the amount of work force required.	35.000	600.000	DAY	0.00	21,000.00	21,000.00
	Total for Equipment Use Expenses				0.00	67,115.00	67,115.00

Project Cost Estimate for Grants and Cooperative Agreements Program - 2009/2010
 Agency: El Dorado County Transportation Department
 Application: Rubicon Trail Ground Operations - Phase 1 (FINAL)

3/1/2010

	Line Item	Qty	Rate	UOM	Grant Request	Match	Total
5	Equipment Purchases						
6	Others						
7	Indirect Costs						
Total Program Expenses					377,750.00	194,669.00	572,419.00
TOTAL DIRECT EXPENSES					377,750.00	194,669.00	572,419.00
TOTAL EXPENDITURES					377,750.00	194,669.00	572,419.00

Project Cost Summary for Grants and Cooperative Agreements Program - 2009/2010
Agency: El Dorado County Transportation Department
Application: Rubicon Trail Ground Operations - Phase 1 (FINAL)

3/1/2010

	Line Item	Grant Request	Match	Total	Narrative
DIRECT EXPENSES					
Program Expenses					
1	Staff	353,550.00	78,604.00	432,154.00	
2	Contracts	15,000.00	19,000.00	34,000.00	
3	Materials / Supplies	9,200.00	29,950.00	39,150.00	
4	Equipment Use Expenses	0.00	67,115.00	67,115.00	
5	Equipment Purchases	0.00	0.00	0.00	
6	Others	0.00	0.00	0.00	
7	Indirect Costs	0.00	0.00	0.00	
Total Program Expenses		377,750.00	194,669.00	572,419.00	
TOTAL DIRECT EXPENSES		377,750.00	194,669.00	572,419.00	
TOTAL EXPENDITURES		377,750.00	194,669.00	572,419.00	

Environmental Review Data Sheet (ERDS)

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ITEM 1 and ITEM 2

ITEM 1

- a. ITEM 1 - Has a CEQA Notice of Determination (NOD) been filed for the Project? ☐ Yes ☒ No
(Please select Yes or No)

ITEM 2

- b. Does the proposed Project include a request for funding for CEQA and/or NEPA document preparation prior to implementing the remaining Project Deliverables (i.e., is it a two-phased Project pursuant to Section 4970.06.1(b)) (Please select Yes or No) ☐ Yes ☒ No

ITEM 3 - Project under CEQA Guidelines Section 15378

- c. ITEM 3 - Are the proposed activities a "Project" under CEQA Guidelines Section 15378? ☒ Yes ☐ No
(Please select Yes or No)
- d. The Application is requesting funds solely for personnel and support to enforce OHV laws and ensure public safety. These activities would not cause any physical impacts on the environment and are thus not a "Project" under CEQA. (Please select Yes or No) ☐ Yes ☒ No
- e. Other. Explain why proposed activities would not cause any physical impacts on the environment and are thus not a "Project" under CEQA. DO NOT complete ITEMS 4 – 10

ITEM 4 - Impact of this Project on Wetlands

The proposed Ground Operations (GO) Phase 1 Project is categorically exempt under CEQA pursuant to Section 15301(c) "Existing Facilities" of the CEQA Guidelines. Therefore, no significant cumulative impacts on wetlands, navigable waters, and sensitive habitats and species (including threatened and endangered species) would occur as a result of this GO Phase 1 Project.

ITEM 5 - Cumulative Impacts of this Project

The proposed GO Phase 1 Project is categorically exempt under CEQA pursuant to Section 15301(c) "Existing Facilities" of the CEQA Guidelines. Therefore, no significant cumulative impacts, such as increased noise or traffic would occur as a result of this GO Phase 1 Project.

ITEM 6 - Soil Impacts

The proposed GO Phase 1 Project is categorically exempt under CEQA pursuant to Section 15301(c) "Existing Facilities" of the CEQA Guidelines. Therefore, no significant effect on the environment due to substantial soil erosion or the loss of topsoil would occur as a result of this GO Phase 1 Project.

ITEM 7 - Damage to Scenic Resources

The Rubicon Trail is not a highway officially designated as a state scenic highway, and therefore, the potential damage to scenic resources within the viewshed is not applicable to this proposed GO Phase 1 Project. The Rubicon Trail is not within the viewshed of a highway officially designated as a state scenic highway.

ITEM 8 - Hazardous Materials

Is the proposed Project Area located on a site included on any list compiled pursuant to Section 65962.5 of the California Government Code (hazardous materials)? (Please select Yes or No) ☐ Yes ☒ No

If YES, describe the location of the hazard relative to the Project site, the level of hazard and the measures to be taken to minimize or avoid the hazards.

ITEM 9 - Potential for Adverse Impacts to Historical or Cultural Resources

Would the proposed Project have potential for any substantial adverse impacts to historical or cultural resources? (Please select Yes or No) ☐ Yes ☒ No

Discuss the potential for the proposed Project to have any substantial adverse impacts to historical or cultural resources.

The proposed GO Phase 1 Project is categorically exempt under CEQA pursuant to Section 15301(c) "Existing Facilities" of the CEQA Guidelines. Therefore, no substantial adverse impacts to historical or cultural resources would occur as a result of this GO Phase 1 Project.

ITEM 10 - Indirect Significant Impacts

The proposed GO Phase 1 Project is categorically exempt under CEQA pursuant to Section 15301(c) "Existing Facilities" of the CEQA Guidelines. Therefore, no indirect significant impacts, either by causing user groups to go elsewhere, causing significant impacts off-site, or significantly increasing use in the vicinity of the GO Phase 1 Project site would occur as a result of this GO Phase 1 Project.

CEQA/NEPA Attachment

Attachments:

[CEQA NOE Filed 03-30-2010](#)

Evaluation Criteria

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1. Project Cost Estimate - Q 1. (Auto populates from Cost Estimate)

1. As calculated on the Project Cost Estimate, the percentage of the cost of the Project covered by the Applicant is 3

(Note: This field will auto-populate once the Cost Estimate and Evaluation Criteria are Validated.) (Please select one from list)

- ☐ 76% or more (10 points)
☐ 51% - 75% (5 points)
☒ 26% - 50% (3 points)
☐ 25% (Match minimum) (No points)

2. Failure to Complete - Q 2.

2. Failure to complete the Project would result in: 8

(Check all that apply) : Maximum of 8 points (Please select applicable values)

- ☒ Loss of OHV Opportunity (6 points)
☒ Negative impact to cultural sites (2 points)
☒ Damage to special-status species or other sensitive habitat (2 points)
☒ Potential trespass (2 points)
☒ Additional damage to Facilities (1 point)

Explain each statement that was checked

Failure to maintain the Rubicon Trail and install proper rock armoring and erosion control BMP's will restrict OHV use and not comply with the recent Clean-up and Abatement Order (CAO) issued by the State Water Quality Control Board Central Valley Region. Part of the trail maintenance is to create barriers to prevent off-trail travel and minimize the negative impacts to potential cultural sites outside the main trail, prevent damage to sensitive habitat, and reduce the potential risk of private trespass along the trail.

El Dorado County DOT is currently purchasing a track-mounted vehicle which has less footprint due to the width of rubber tracks versus wheeled vehicle. The off-road rubber-tracked dump vehicle is essential to deliver rock and other material required to maintain the trail. This type of vehicle is commonly used in restoration work due to low impact on soil areas, and will be used extensively during the GO and trail restoration efforts.

3. Sustain OHV Opportunity - Q 3.

3. The Project would sustain OHV Opportunity by 13

(Check all that apply) (Please select applicable values)

- ☒ Maintaining trail or road tread (5 points)
☒ Installing or repairing erosion control features (3 points)
☒ Providing traffic control and/or educational signage (3 points)
☒ Maintaining multi use (ATV, Dirt Bikes, 4x4, etc) (1 point)
☒ Providing varied levels of riding difficulty (1 point)

Explain each statement that was checked

The off-road rubber-tracked dump vehicle will be critical with respect to delivering rock and other material for trail maintenance, restoration and erosion control BMP's along this Phase 1 Project segment of the Rubicon Trail. Continued maintenance using this equipment will enhance opportunities for various OHV use, including ATVs, dirt bikes and 4 x 4s. Additional flexible marker posts will also be placed to delineate the trail in accordance with the Clean-Up and Abatement Order.

El Dorado County DOT will be designing several areas along the Rubicon Trail pursuant to the level of riding difficulty and assigning a rating system similar to the Ski run designations as double black diamond, black diamond, blue, and green. Currently along the Phase1 Project route are several areas which will be designated as double black diamond routes.

4. Public Input - Q 4.

4. The Project was developed with public input employing the following 2

(Check all that apply) : Maximum of 2 points (Please select applicable values)

- ☒ Publicly noticed meeting(s) with the general public to discuss Project (1 point)
☒ Conference call(s) with interested parties (1 point)
☒ Meeting(s) with stakeholders (1 point)

Explain each statement that was checked

Monthly publicly noticed meetings with the Rubicon Oversight Committee (ROC) were held to gather input relative to the type of equipment and proper BMP's using the California Geologic Survey (CGS) map and report. A public Board of Supervisors meeting was held on January 26, 2010 to discuss the trail location options. County DOT staff discussed many aspects of the Rubicon Trail work program and CGS proposed BMP's through email and phone conferences with various interested individuals and groups.

5. Utilization of Partnerships - Q 5.

5. The Project will utilize partnerships to successfully accomplish the Project. The number of partner organizations that will participate in the Project are 4

(Check the one most appropriate) (Please select one from list)

- ☒ 4 or more (4 points) ☐ 2 to 3 (2 points)
☐ 1 (1 point) ☐ None (No points)

List partner organization(s):

Partnerships will be utilized to assist with the GO activities and management for this Phase 1 Project with the following organizations: Rubicon Trail Foundation (RTF), Friends of the Rubicon (FOTR), Rubicon Trail Partnership, Inc. (RTP), Tread Lightly, State Department of Conservation California Geological Survey (CGS), US Forest Service (USFS), and Resource Conservation District (RCD).

6. Impact to Natural and Cultural Resources - Q 6.

6. The Project will avoid and/or minimize impact to natural and cultural resources by 6

(Check all that apply) : Maximum of 7 points (Please select applicable values)

- ☒ Maintaining physical barriers to control OHV use (1 point)
☒ Protecting water quality (1 point)
☐ Providing bridges instead of wet crossings where appropriate (1 point)
☒ Protecting special-status species (1 point)
☒ Re-routing trails to divert away from riparian/wetlands areas (1 point)
☒ Providing sanitary facilities (1 point)
☒ Protecting cultural site(s) (1 point)
☐ Site design precludes the need for the above measures (7 points)

Explain each statement that was checked

The GO Phase 1 Project will require importing a large volume of 6" - 12" rock rip rap, 3/4" crushed rock, and boulder material to remote areas along the trail via rubber tracked vehicles in order to install water breaks, silt basins, rock retaining structures, and various erosion control measures to control sediment flow and protect streams. Delivery of material to block and/or divert traffic from wetlands will be a direct result of using this equipment. Part of the trail maintenance is to create barriers to off-trail travel which should prevent further off-trail travel and minimizes negative impacts to cultural sites, damages to sensitive habitat, and/or potential trespass. The sanitary restroom located at the Loon Lake trailhead will be maintained as part of this grant proposal. Also, DOT will be using portable toilets and working with property owners adjacent to the GO Phase 1 Project sites to use their restroom facilities which will help with the sanitation needs during the GO activities.

7. Recycled Materials - Q 7.

7. The Project incorporates recycled materials by utilizing 3

(Check all that apply) (Please select applicable values)

- ☒ Barrier materials which include recycled content or materials obtained onsite (1 point)
- ☒ Signs, sign posts or education kiosks which use products with recycled content (1 point)
- ☒ Erosion control features which use materials with recycled content (1 point)
- ☐ Paper used for trail maps which includes recycled content (1 point)
- ☐ Other products with recycled content (Specify) (1 point)

8. Sustainable Technologies - Q 8.

8. The Project makes substantial use of sustainable technologies such as 4

- Alternative fuel vehicles and equipment
- Renewable energy sources (e.g., solar, wind)
- Low volatile organic compound emission materials (e.g., paint, sealants, carpet)
- Low flow plumbing fixtures
- Water efficient landscaping

(Check the one most appropriate) (Please select one from list)

- ☐ No (No points) ☒ Yes (4 points)

Explain 'Yes' response

The proposed GO Phase 2 Project makes substantial use of one of the above sustainable technologies. All of the maintenance equipment that will be used in the ground operations has been retrofitted with particulate matter devices in conformance with the California Air Resources Board requirements. The County has met early compliance of the mandated CARB regulations.

9. Motorized Access - Q 9.

9. The Project improves and/or maintains facilities that provide motorized access to the following non-motorized recreation opportunities 6

(Check all that apply) Scoring: 2 points each, up to a maximum of 6 points (Please select applicable values)

- | | |
|---|--|
| <input checked="" type="checkbox"/> Camping | <input type="checkbox"/> Birding |
| <input checked="" type="checkbox"/> Hiking | <input type="checkbox"/> Equestrian trails |
| <input checked="" type="checkbox"/> Fishing | <input type="checkbox"/> Rock Climbing |
| <input type="checkbox"/> Other (Specify) | |

